

# How to Conduct an All-Hazards Risk Assessment

WEBINAR TRAINING – APRIL 3, 2018



# Today's Objectives

- ▶ Define “All-Hazards”.
- ▶ Learn about the “All-Hazards Risk Assessment”.
- ▶ Conduct and complete your HVA.

HAZARD AND VULNERABILITY ASSESSMENT TOOL HUMAN RELATED EVENTS								 KAISER PERMANENTE.
EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)						RISK
		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resources</i>	<i>Community/ Mutual Aid staff and supplies</i>	<i>Relative threat*</i>
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%

# All-Hazards – What Does it Mean?

- ▶ NOT an exhaustive list of everything that might go wrong.
- ▶ No organization has sufficient resources to plan for every single thing that may go wrong.
- ▶ Think about effects rather than causes.
- ▶ Goal is one basic plan with specific annexes as practical.

All Hazards Approach to Preparedness Planning: *Weigh the likelihood and consequences to a broad array of threats.*

**Dozens of College Students Injured in Virginia Bus Crash**

**Police responding to active shooter situation at Greyhound station in Richmond**

**Local hospitals change visitation guidelines during deadly flu season**

POSTED 4:23 PM, JANUARY 30, 2018, BY ALIX BRYAN

**27 patients evacuated during fire at John Randolph Medical Center**

**Flu creates Code Red Diversion Status**

**Crash knocks out power to Richmond hospital**

**Va. hazmat incident leaves 1 critical, 4 in hospital**

# Assessing Vulnerability

- ▶ Vulnerability is a measure that includes:
  - ▶ Likelihood
  - ▶ Magnitude
  - ▶ Mitigation

# What is an All-Hazards Risk Assessment?

- ▶ Derives Objectivity from the Subjective
- ▶ Quantifies Vulnerability
- ▶ Living Document
- ▶ Needs an Annual Refresh

# What is an All-Hazards Risk Assessment?



Kaiser Permanente										
Emergency Management										
Hazards - Enter name of facility here Hazard and Vulnerability Assessment Tool Naturally Occurring Events										
Event	PROBABILITY	ALERTS	ACTIVATIONS	SEVERITY = ( MAGNITUDE - MITIGATION )						RISK
	Likelihood this will occur			HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPAREDNES S	INTERNAL RESPONSE	EXTERNAL RESPONSE	* Relative threat
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	Number of Alerts	Number of Activations	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low	0 = N/A 1 = High 2 = Moderate 3 = Low	0 = N/A 1 = High 2 = Moderate 3 = Low	0 - 100%

# Important Notes:

- ▶ During the process, don't overthink this!
- ▶ Especially for low probability events, don't get hung up on a single-digit difference.
- ▶ There is more than one way to skin a cat.

# Probability

- ▶ What is the likelihood that this event will happen within the next 12 months?
  - ▶ 1=Low
  - ▶ 2-Moderate
  - ▶ 3=High

## Kaiser Permanente

### Emergency Management

Hazards - Enter name of facility here  
 Hazard and Vulnerability Assessment Tool  
 Naturally Occurring Events

Event	PROBABILITY  Likelihood this will occur	ALERTS	ACTIVATIONS	SEVERITY = ( MAGNITUDE - MITIGATION )						RISK  * Relative threat
				HUMAN IMPACT  Possibility of death or injury	PROPERTY IMPACT  Physical losses and damages	BUSINESS IMPACT  Interruption of services	PREPAREDNESS  Preplanning	INTERNAL RESPONSE  Time, effectiveness, resources	EXTERNAL RESPONSE  Community/Mutual Aid staff and supplies	
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# Human Impact

- ▶ IF this event occurred, the possibility of death or injury will be:
  - ▶ 1=Low
  - ▶ 2-Moderate
  - ▶ 3=High

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# Property Impact

- ▶ IF this event occurred, physical loss or damage to property will be:
  - ▶ 1=Low
  - ▶ 2=Moderate
  - ▶ 3=High

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# Business Impact

- ▶ IF this event occurred, the interruption to our mission critical functions will be:
  - ▶ 1=Low
  - ▶ 2-Moderate
  - ▶ 3=High

## Kaiser Permanente

### Emergency Management

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# Preparedness

- ▶ Our preplanning for this event to-date has been::
  - ▶ 1=High (significant)
  - ▶ 2-Moderate (moderate)
  - ▶ 3=Low (minimal)

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# Internal Response

- ▶ IF this event occurs, we are (highly prepared, moderately prepared, poorly prepared) to respond in a timely and effective manner with all the necessary resources on hand (without external assistance):
  - ▶ 1=High (highly prepared)
  - ▶ 2-Moderate (moderately prepared)
  - ▶ 3=Low (poorly prepared)

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# External Response

- ▶ IF this event occurs, we are (highly prepared, moderately prepared, poorly prepared) to collaborate with other facilities/agencies for assistance:
  - ▶ 1=High (highly prepared)
  - ▶ 2-Moderate (moderately prepared)
  - ▶ 3=Low (poorly prepared)

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- ▶ **Probability:** What is the likelihood that this event will happen within the next 12 months
- ▶ **Human Impact:** IF this event occurred, the possibility of death or injury
- ▶ **Property Impact:** IF this event occurs, physical loss or damage to property
- ▶ **Business Impact:** IF this event occurs, the interruption to our mission critical functions.
- ▶ **Preparedness:** Our preplanning for this event to date
- ▶ **Internal Response:** IF this event occurs, we are (highly prepared, moderately prepared, poorly prepared) to respond in a timely and effective manner with all the necessary resources on hand (without external assistance)
- ▶ **External Response:** IF this event occurs, we are (highly prepared, moderately prepared, poorly prepared) to collaborate with other facilities/agencies for assistance:

# Completing Your HVA

- ▶ You will complete the excel file sent to you (note the different tabs).
- ▶ Documents also available at [www.central-region.org/resources/hva](http://www.central-region.org/resources/hva)
- ▶ For Each Hazard:
  - ▶ Ask each of the seven assessment questions.
  - ▶ Only answer the specific question asked.
  - ▶ Goal is to only spend 20 seconds per question.
- ▶ Not every hazard listed may be applicable to your healthcare organization (i.e., Mass Casualty Incident)